

HIDDEN PLANAR ANTENNA MODULE FOR MOBILE PHONE

ABSTRACT OF THE DISCLOSURE

A hidden planar antenna module for a mobile phone especially capable of direct connecting with a circuit board of a mobile phone to simplify the procedure of assembling, the module is provided with a base plate with a suitable area, the base plate has on a surface thereof a first micro-strip section and second micro-strip section being in relation with wavelengths of corresponding operation frequencies. The front ends of the micro-strip sections make an open circuit, the tailing ends of them are connected to be used as a third micro-strip section of a feed line. The second micro-strip section connected with the tailing end of the first micro-strip section forms an open stub for adjusting frequency width and impedance matching. The present invention is characterized in that: the feed line is connected with the micro-strips of a related circuit and the grounding line to form the antenna module with a coplanar wave guide effect.